

EFFICIENT SOFTWARE DOWNLOAD TO CONFIGURABLE COMMUNICATION DEVICE

ABSTRACT

5 An efficient software download to a configurable communication device is disclosed herein. The method of efficiently downloading software begins with a step of receiving a request to configure a communication device to run a communication application. The communication device being configured has a plurality of function blocks with a fixed portion of hardware and a flexible portion of hardware, wherein the same plurality of
10 function blocks is capable of operating a plurality of communication applications. In a next step, the capability of the fixed portion and the flexible portion of hardware of the communication device is evaluated for a capability of implementing the communication application. Next, configuration information only for the flexible portion of hardware of the communication device is transmitted to the communication device to enable it to operate the
15 communication application. An identification of the communication application is also transmitted to the communication device for purposes of tracking its implementation.